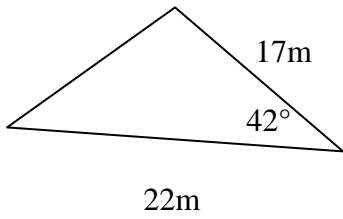


Law of Cosines

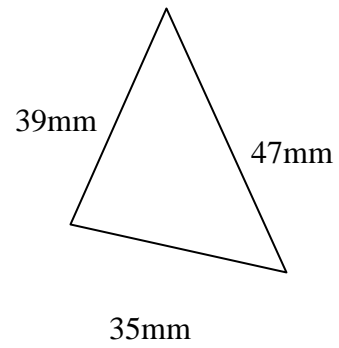
Name _____ per _____

Complete each triangle. Round to the nearest tenth.

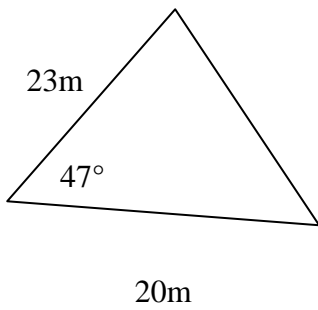
1)



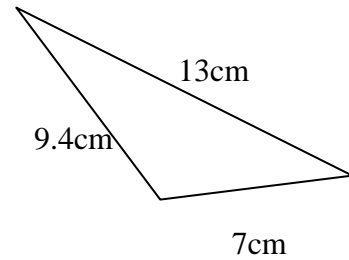
2)



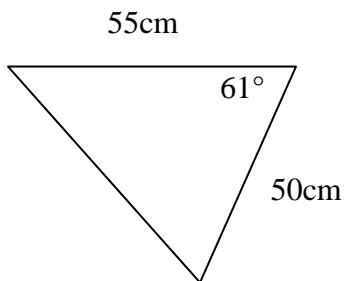
3)



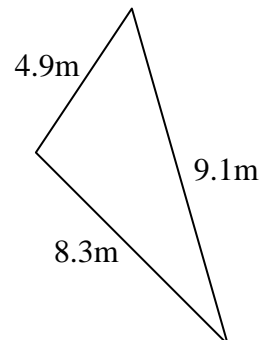
4)



5)



6)



Solve for all missing sides and angles in each triangle. Round to the nearest tenth

7) $\triangle XYZ$: $x = 29m, y = 15m, \angle Z = 122^\circ$

$X =$ _____ $Y =$ _____ $Z =$ _____

8) $\triangle GHI$: $g = 13cm, h = 8cm, i = 15cm$

$G =$ _____ $H =$ _____ $I =$ _____

9) $\triangle MNO$: $n = 31m, o = 28m, \angle M = 62^\circ$

$N =$ _____ $O =$ _____ $m =$ _____